

Theme Summary Report

Elevation

Overview:

The Theme Summary report provides an overview of the status, overall maturity, and other characteristics for the NGDA Datasets within a Theme. The report identifies NGDA Datasets that have completed the Lifecycle Maturity Assessment (LMA), and presents the results by the stages in the geospatial data lifecycle. This information can assist the Theme Leads in evaluating progress and assessing overall maturity for each NGDA Theme to help facilitate support for NGDA portfolio management identified in OMB's Circular A-16.

Theme Lead(s):

Name: Diane Eldridge

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Total NGDA Datasets: 12

Name: Ashley Chappell

Agency: NOAA

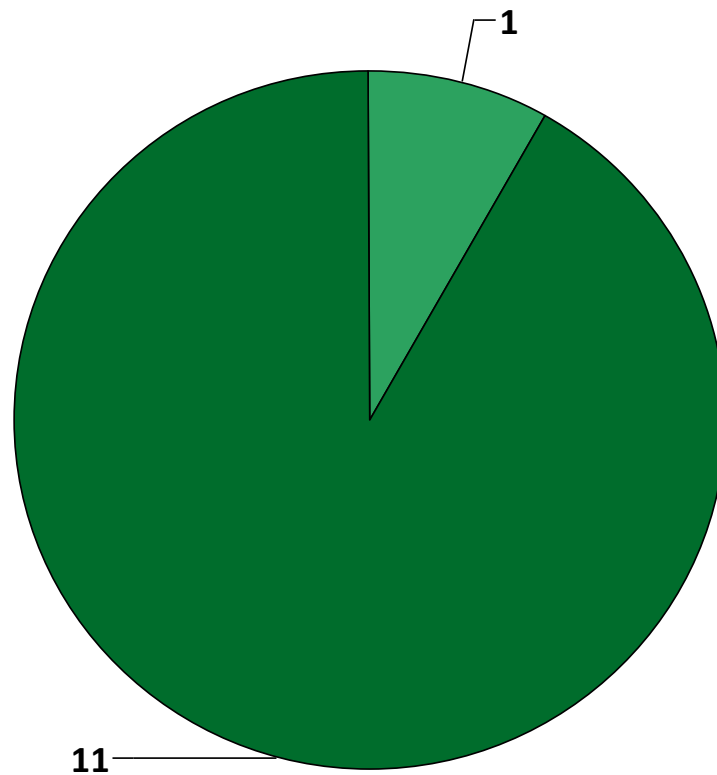
Email: ashley.chappell@noaa.gov

NGDA LMA Submission Status:

0	Not Started:	The LMA has not been initiated.
0	In Progress:	The LMA has been initiated and is in progress.
12	Complete:	The LMA has been submitted and quality control is complete.

NGDA LMA Overall Maturity Status Overview

LMA Questions: 19 | NGDA Dataset Total: 12 | NGDA Datasets with LMA Complete: 12



NGDA Dataset Maturity Definitions

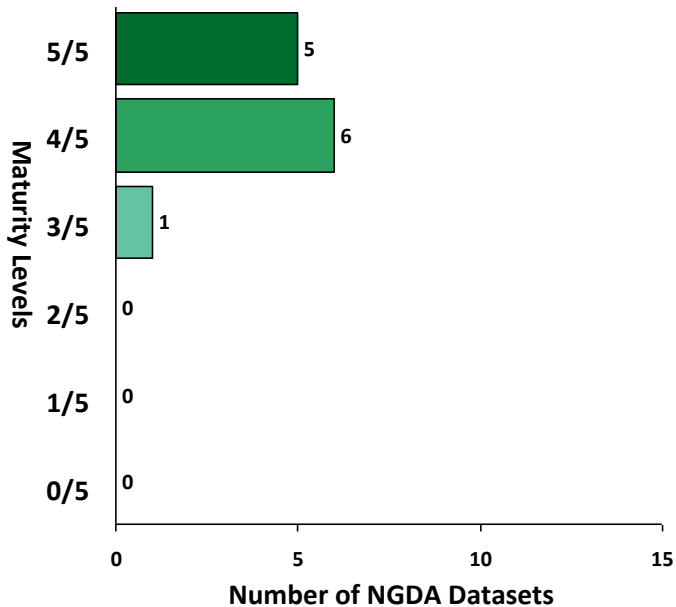
Detailed LMA Questions: https://www.geoplatform.gov/sites/default/files/NGDA_MP_LMA_Tool.pdf

How To Calculate Maturity: https://www.geoplatform.gov/sites/default/files/How_to_Calculate_Maturity.pdf

Maturity	Maturity Characteristics for All Lifecycle Stages
Optimized; Established Rank = 5	Dataset meets virtually all business needs of all users. The dataset is considered authoritative by owners and secondary users. It is curated across all stages of the approved lifecycle. Future needs are defined on a regular basis and resources for addressing both current and future business requirements are available.
Mature; Consistent Rank = 4	Dataset meets all the business needs of the primary owner and most of the secondary users. The dataset is curated and used as authoritative by the primary owner. Dataset is used widely by secondary users actively engaged in sustaining the dataset. Future needs are identified and steps are planned to address these. All stages are supported and reviewed on a recurring basis. The dataset is well managed in relation to the approved lifecycle.
Managed; Predictable Rank = 3	Dataset meets a significant number of the business needs of the primary owner and is widely used as an authoritative resource by secondary users. Benchmark activities are occurring in at least four of the approved lifecycle stages. Management practices in relation to the approved lifecycle is moderate but consistent. Dataset is integrating changing business requirements in lifecycle stages impacting overall maturity.
Transition; Transformation Rank = 2	Dataset meets business needs of the primary owner and has moderate use by secondary users. Benchmark activities are occurring in at least three stages. Efforts to integrate funding, include partners, and obtain data are not supported in a sustained manner. Management practices in relation to the stages of the approved lifecycle is limited.
Planned; Initial Development Rank = 1	Dataset limited in meeting business needs of the primary owner. Benchmark activities in the approved lifecycle are just starting to consider secondary uses, partnerships are forming to support additional dataset uses. Dataset development is in a very early stage. Minimal or limited management against the benchmarks in the approved lifecycle.
No Activity Rank = no activity	Dataset meets project or local business needs of the primary owner, secondary or additional uses or users were not considered, not recognized as an authoritative data or is part of a similar dataset. Not managed to any of the benchmarks in the approved lifecycle.

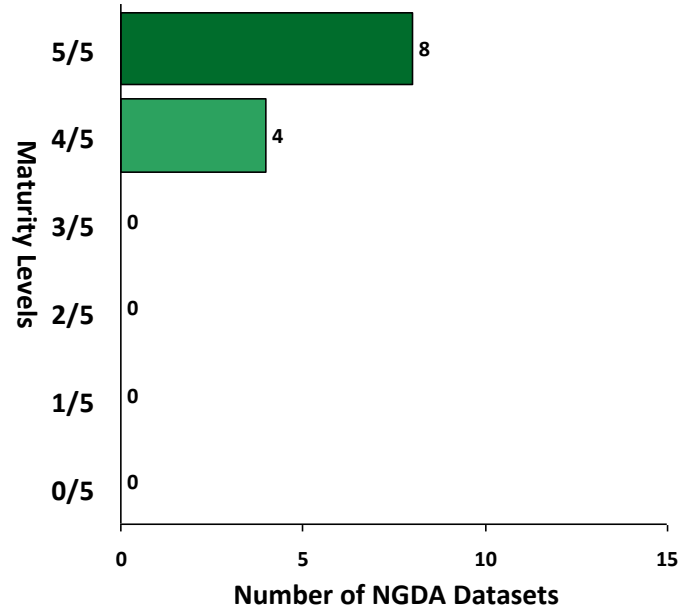
General Questions

Data characteristics that are applicable to all stages.



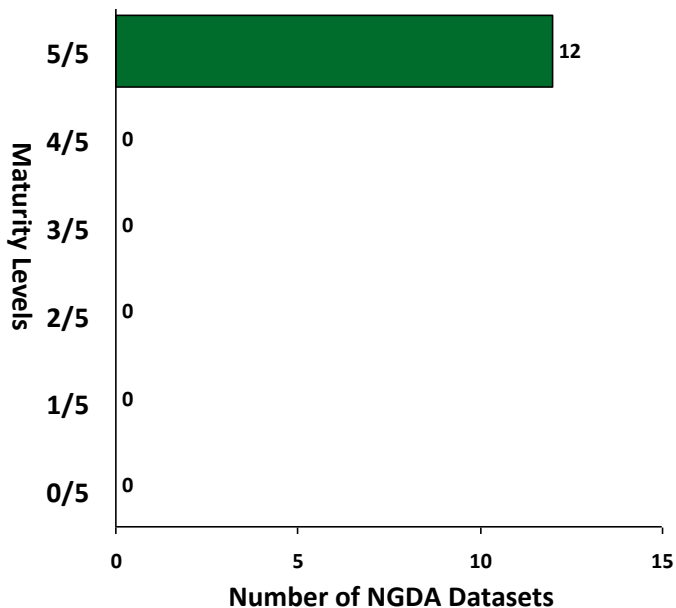
Stage 1 - Define/Plan

Characterization of data requirements based upon business-driven user needs.



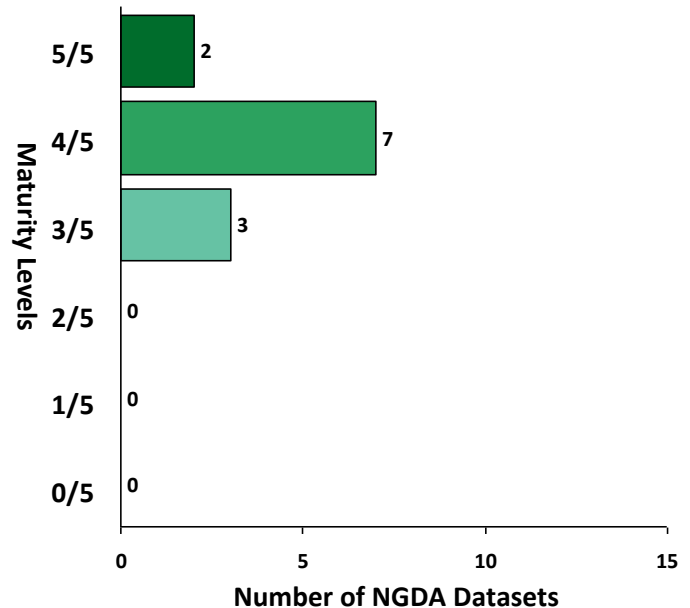
Stage 2 - Inventory/Evaluate

The creation and publication of a detailed list of data assets and data gaps (both internal and external) as they relate to business-driven user needs.



Stage 3 - Obtain

The collection, purchase, conversion, transformation, sharing, exchanging, or creation of geospatial data that were selected to meet the business needs is identified.

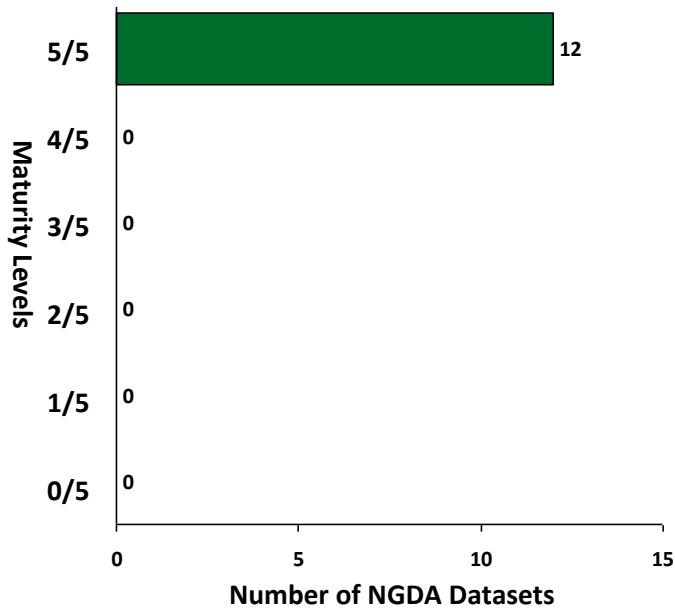


Key for NGDA Dataset Lifecycle Maturity Assessment Levels:

0/5	No Activity	2/5	Transition; Transformation	4/5	Mature; Consistent
1/5	Planned; Initial Development	3/5	Managed; Predictable	5/5	Optimized; Established

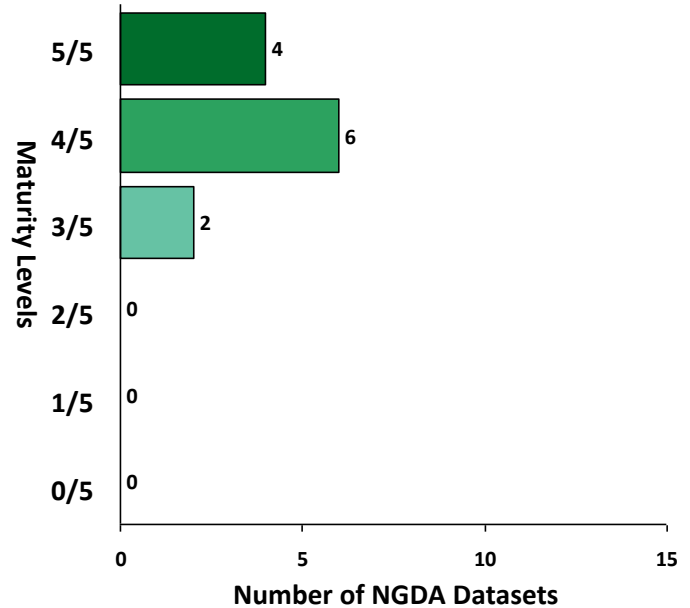
Stage 4 - Access

Making data known and retrievable through documentation and discovery mechanisms to meet user needs and business requirements.



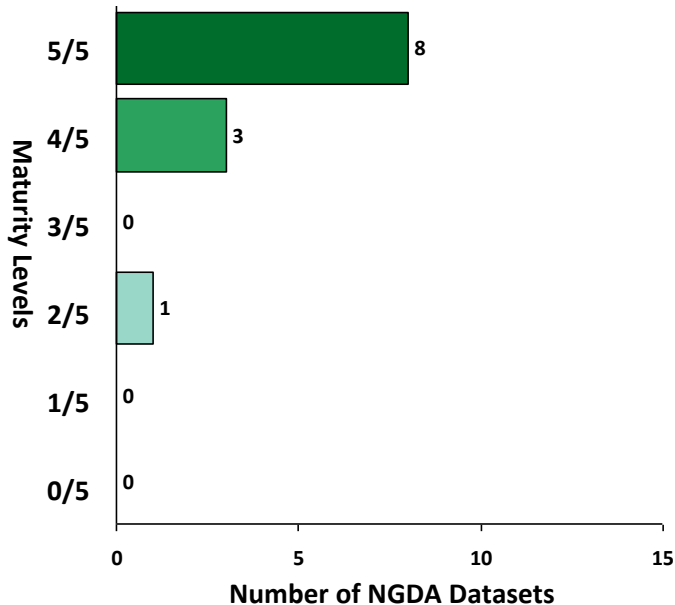
Stage 5 - Maintain

The ongoing processes and procedures to ensure that the data meet business requirements.



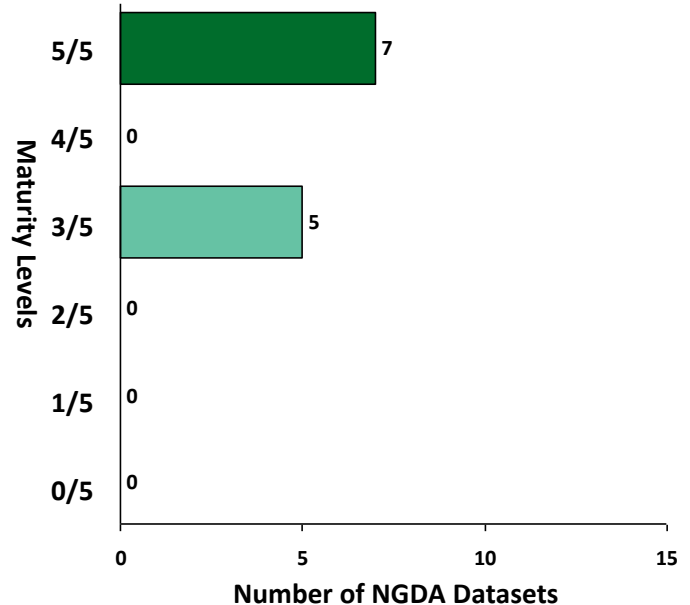
Stage 6 - Use/Evaluate

The ongoing assessment, validation, and potential enhancement of data to meet user needs and business requirements.



Stage 7 - Archive

Facilitate the appraisal, retention, storage, and accessibility of data and establish mechanisms for development of stewardship tools and services.



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NGDA Dataset LMA Summary Table

Dataset	Submission Status	Overall	General	Define	Inventory Evaluate	Obtain	Access	Maintain	Use Evaluate	Archive	Agency Abbreviation
U.S. Coastal Lidar Elevation Data - Including the Great Lakes and Territories, 1996 - present	Complete	5/5	5/5	5/5	5/5	4/5	5/5	5/5	4/5	5/5	DOC-NOAA-NC
Digital Elevation Models from NOAA/NGDC	Complete	5/5	4/5	4/5	5/5	5/5	5/5	3/5	5/5	5/5	DOC-NOAA-NC
Global Multi-Resolution Terrain Elevation Data - National Geospatial Data Asset (NGDA)	Complete	4/5	3/5	4/5	5/5	5/5	5/5	3/5	2/5	5/5	DOI-USGS
Lidar Point Cloud - USGS National Map	Complete	5/5	4/5	5/5	5/5	3/5	5/5	4/5	5/5	3/5	DOI-USGS
MultiBeam Bathymetric Data Base (MBBDB)	Complete	5/5	5/5	5/5	5/5	4/5	5/5	4/5	5/5	5/5	DOC-NOAA-NC
1/3rd Arc-second Digital Elevation Models (DEMs) - USGS National Map	Complete	5/5	4/5	5/5	5/5	4/5	5/5	4/5	5/5	3/5	DOI-USGS
National Flood Hazard Layer (NFHL)	Complete	5/5	4/5	4/5	5/5	4/5	5/5	5/5	4/5	3/5	DHS-FEMA
NGDC Marine Trackline Geophysics Database	Complete	5/5	5/5	5/5	5/5	4/5	5/5	5/5	4/5	5/5	DOC-NOAA-NC
NOS Hydrographic Surveys Collection	Complete	5/5	5/5	5/5	5/5	4/5	5/5	5/5	5/5	5/5	DOC-NOAA-NC
Shuttle Radar Topography Mission (SRTM)	Complete	5/5	5/5	4/5	5/5	3/5	5/5	4/5	5/5	5/5	DOI-USGS
1 meter Digital Elevation Models (DEMs) - USGS National Map	Complete	5/5	4/5	5/5	5/5	3/5	5/5	4/5	5/5	3/5	DOI-USGS
5 meter Alaska Digital Elevation Models (DEMs) - USGS National Map	Complete	5/5	4/5	5/5	5/5	4/5	5/5	4/5	5/5	3/5	DOI-USGS